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17114 U.S. PTO

EXPRESS MAIL CERTIFICATE EL 962 754 646 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: SUNDARAM, Mani et al.

Group Art Unit:

Serial No.

Examiner:

Filed: HEREIN

Atty. Dkt. No: 20030127-US

For: QWIP WITH ELECTRON LAUNCHER FOR REDUCING DIELECTRIC
RELAXATION EFFECT IN LOW BACKGROUND CONDITIONS

To: Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Fm:

24222

CERTIFICATE OF MAILING 37 CFR 1.10: I certify that this correspondence is being deposited on the below date with the U.S. Postal Service with sufficient postage as EXPRESS MAIL POST OFFICE TO ADDRESSEE addressed to: Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date: 03/18/2004

Debra A. Stengel
☒ Debra A. Stengel or ☐ Scott J. Asmus, Reg. No. 42,269

Commissioner:

LETTER OF TRANSMITTAL

Submitted herewith is a application for United States patent consisting of 1 page Fee Transmittal form PTO/SB/17 to cover filing fee, 2 pages Patent Application Bibliographic Data Sheet, 15 pages of specification and claims, 3 sheets of drawings, 1 page of declaration and power of attorney.

- ☐ (37 CFR 1.9(f) & 1.27(c)) Small Entity status applies.
☐ (35 U.S.C. 122(b)(2)(B)(i)) PTO form PTO/SB/35 Nonpublication Request enclosed
☒ (37 CFR 1.84(J)) – Applicant requests FIG. 2 for inclusion on the front page of the patent application publication and patent.
☐ PCT application being filed concurrently

The invention was not made by an agency of the United States Government nor under a contract with an agency of the United States Government.

22858 U.S. PTO
10/803295

031804

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Fee calculation table:

Fee calculation is based on 3 independent and 20 total claims

☒ 37CFR1.16(a) Basic filing fee – Utility - \$770.00 \$770.00

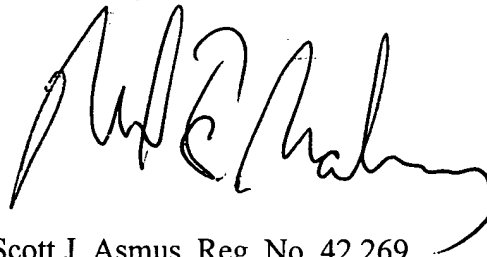
☐ 37CFR1.16(b) Independent claims in excess of three - x \$86.00 ea.

☐ 37CFR1.16(c) Claims in excess of twenty - x \$18.00 ea.

TOTAL DUE:
\$770.00

DEPOSIT ACCOUNT **190130** AUTHORIZATION – The Office is hereby authorized to charge the required fee, and any deficiency or credit any overpayment in the fees to the above deposit account, owned by BAE SYSTEMS Information and Electronic Systems Integration Inc. an authorized signator for which is Kevin M. Perkins, V.P. & Company Counsel, and for whom the undersigned are authorized agents.

Respectfully submitted,



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Maine & Asmus

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Attorneys/Agents for Applicant

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031804

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2004</h2> <p style="font-size: small; margin: 0;">Effective 10/01/2003. Patent fees are subject to annual revision.</p>		Complete if Known	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	
		Filing Date	
		First Named Inventor	
		Examiner Name	
		Art Unit	
TOTAL AMOUNT OF PAYMENT		(\$ 770.00)	
		Attorney Docket No. 20030127-US	

<h3 style="text-align: center; margin: 0;">METHOD OF PAYMENT (check all that apply)</h3> <p> <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None </p> <p><input checked="" type="checkbox"/> Deposit Account:</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">Deposit Account Number</td> <td style="width: 50%;">190130</td> </tr> <tr> <td>Deposit Account Name</td> <td>BAE Systems</td> </tr> </table> <p>The Director is authorized to: (check all that apply)</p> <p> <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. </p> <h3 style="text-align: center; margin: 0;">FEE CALCULATION</h3> <h4 style="margin: 0;">1. BASIC FILING FEE</h4> <table style="width: 100%; font-size: small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>770</td> <td>2001</td> <td>385</td> <td>Utility filing fee</td> <td>770</td> </tr> <tr> <td>1002</td> <td>340</td> <td>2002</td> <td>170</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003</td> <td>530</td> <td>2003</td> <td>265</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004</td> <td>770</td> <td>2004</td> <td>385</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td>(\$ 770)</td> </tr> </tbody> </table> <h4 style="margin: 0;">2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</h4> <table style="width: 100%; font-size: small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>1201</td> <td>86</td> <td>2201</td> <td>43</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>1203</td> <td>290</td> <td>2203</td> <td>145</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>1204</td> <td>86</td> <td>2204</td> <td>43</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>1205</td> <td>18</td> <td>2205</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> <td>(\$)</td> </tr> </tbody> </table> <p style="font-size: x-small;">**or number previously paid, if greater; For Reissues, see above</p>	Deposit Account Number	190130	Deposit Account Name	BAE Systems	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee	770	1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	160	2005	80	Provisional filing fee		SUBTOTAL (1)					(\$ 770)	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	18	2202	9	Claims in excess of 20		1201	86	2201	43	Independent claims in excess of 3		1203	290	2203	145	Multiple dependent claim, if not paid		1204	86	2204	43	** Reissue independent claims over original patent		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$)	<h3 style="text-align: center; margin: 0;">FEE CALCULATION (continued)</h3> <h4 style="margin: 0;">3. 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unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="5">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="5">*Reduced by Basic Filing Fee Paid</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (3)</td> <td>(\$)</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - 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SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Neil F. Maloney	Registration No. (Attorney/Agent)	42,833
Signature		Telephone	603-886-6100
		Date	March 18, 2004

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